

AMENDMENTS TO THE CLAIMS

1-22. (Canceled)

23. (Currently Amended) A method comprising:

exposing a plurality of photodiodes formed on a first layer of a substrate of an image sensor to a light source;

modifying a light receiving area of a first photodiode and a second photodiode by the use of one or more light shields formed on at least a different second layer of the sensor substrate, such that, for a given size of light receiving area, a first photodiode is exposed to a greater amount of incident light than a second photodiode.

24. (Previously Presented) The method of claim 23, wherein modifying the light receiving area comprises modifying on the basis of a responsivity of a color assigned to one of the first photodiode and the second photodiode.

25. (Previously Presented) The method of claim 23, wherein modifying the light receiving area comprises masking a portion of one of the first photodiode and the second photodiode from incident light.

26. (Currently Amended) A method comprising:

providing an image sensor comprising a plurality of pixels formed on a first layer of a sensor substrate;

modifying a light receiving area of alternate pixels by the use of one or more light shields formed on at least a different second layer of the sensor substrate, such that, for a given size of light receiving area, a first pixel is exposed to a greater amount of incident light than a second pixel; and

capturing an incident light.

27. (Previously Presented) The method of claim 26, wherein modifying the light receiving area comprises modifying on the basis of a responsivity of a color assigned to one of the first pixel and the second pixel.

28. (Previously Presented) The method of claim 26, wherein modifying the light receiving area comprises masking a portion of one of the first pixel and the second pixel from the incident light.